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CLAIMS

Sub	B	1.	Α	method	for	transmitting	time-se	ensitive	information	over	a
2	wirel	less vo	ice-c	over-data	con	nmunication s	system,	used in	conjunction	with	a
	prede	efined	data	protocol,	, con	nprising the st	eps of:				

defining a minimum segment size for information to be transmitted; defining a maximum segment size for information to be transmitted, said

second segment size greater than said first segment size; 6

generating a first segment from said time-sensitive information if a sufficient quantity of said time-sensitive information is available for transmission, said first segment having a segment size between said minimum segment size and said maximum segment size; and

generating a second segment having a segment size less than or equal to said maximum segment size upon the occurrence of a predefined event.

- The method of claim 1 wherein said predefined event comprises 2 the receipt of an acknowledgment message.
- 3. The method of claim 1 wherein said maximum segment size is 2 negotiated between a transmitter and a receiver.
- An apparatus for transmitting time-sensitive information over a 2 wireless voice-over-data communication system, used in conjunction with a predefined data protocol, comprising:
 - means for negotiating a maximum segment size with a receiver;
 - a memory for storing a minimum segment size;
- 6 a queue for storing data frames, said data frames representing timesensitive information; and
- a first processor for generating at least one segment from said data 8 frames stored within said queue when a segment size greater than or equal to 10 said minimum segment size can be generated from said data frames.
- 5. The apparatus of claim 4, further comprising a vocoder for 2 generating data frames from said time-sensitive information.

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6. A method for transmitting time-sensitive information over a wireless voice-over-data communication system, used in conjunction with a predefined data protocol, comprising the steps of:

storing time-sensitive data in a queue, said time-sensitive data comprising data frames;

generating at least one segment from said time-sensitive data, said at least one segment comprising a predetermined number of data frames.

- 7. The method of claim 6 further comprising the step of generating said data frames from said time-sensitive information using a vocoder.
- 8. An apparatus for transmitting time-sensitive information over a wireless voice-over-data communication system, used in conjunction with a predefined data protocol, comprising:
 - a queue for storing data frames, said data frames representing timesensitive information; and
 - a processor for generating at least one segment from said data frames when a predetermined number of said data frames are available in said queue.
- 9. The apparatus of claim 8 further comprising a vocoder for receiving said time-sensitive information and for generating said data frames.
 - 10. A method for transmitting time-sensitive information over a wireless voice-over-data communication system, used in conjunction with a predefined data protocol, comprising the steps of:

storing vocoder frames in a queue, said vocoder frames representing time-sensitive information;

determining the number of bits contained within each of said vocoder frames;

adding bits to any of said vocoder frames which does not contain at least a predetermined number of bits.

11. Apparatus for transmitting time-sensitive information over a wireless voice-over-data communication system, used in conjunction with a predefined data protocol, comprising:

a queue for storing vocoder frames, said data frames representing timesensitive information; and

a processor for adding random bits to any of said data frames which does not contain at least a predetermined number of bits.